

ABSTRACT OF THE DISCLOSURE

A semiconductor laser element includes: a semiconductor laser region in which at least one laser emission portion including an active layer for emitting light is provided; a multimode interference region including a first wave-guiding layer, one end of the first wave-guiding layer being optically coupled to the active layer of the at least one laser emission portion; and an output waveguide region including a second wave-guiding layer, the second wave-guiding layer being optically coupled to another end of the first wave-guiding layer, wherein the active layer of the at least one laser emission portion, the first wave-guiding layer, and the second wave-guiding layer are integrally formed.